

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	"5644375"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 14:58
L2	9	"5644375"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:55
L3	9	"5644375"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 15:55
L5	9	"5644375"	US-PGPUB; USPAT	OR	ON	2007/03/16 15:58
L6	254	351/200.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/16 15:58
L7	0	6 and (filter with detector with line)	US-PGPUB; USPAT	OR	ON	2007/03/16 15:59
L8	6	6 and (filter with detector )	US-PGPUB; USPAT	OR	ON	2007/03/16 15:59
L9	551	351/211.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/16 16:00
L10	3	9 and (luminous with flux with detector)	US-PGPUB; USPAT	OR	ON	2007/03/16 16:00
S1	0	optical adj transmitter and diod AND electric AND optic\$3 AND luminous ADJ flus AND parting ADJ line\$1	US-PGPUB; USPAT	OR	ON	2007/03/07 10:11
S2	4921	optical adj transmitter and diode	US-PGPUB; USPAT	OR	ON	2007/03/07 10:11
S3	127774	S2 And (E/O) OR electric AND optic\$1 AND cross OR star filter and parting ADJ line\$1	US-PGPUB; USPAT	OR	ON	2007/03/07 10:12
S4	33122	S3 AND relation (L1/L2 > S3)	US-PGPUB; USPAT	OR	ON	2007/03/07 10:13
S5	14	S4 AND luminous ADJ flux AND major ADJ AXIS	US-PGPUB; USPAT	OR	ON	2007/03/07 12:14
S6	88	398/149.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/07 12:22
S7	0	S6 AND cross ADJ filter	US-PGPUB; USPAT	OR	ON	2007/03/07 12:16
S8	0	S6 AND star ADJ filter	US-PGPUB; USPAT	OR	ON	2007/03/07 12:16
S9	1	cross ADJ pattern NEAR filter	US-PGPUB; USPAT	OR	ON	2007/03/12 10:58
S10	434416	filter and cross or star SAME pattern	US-PGPUB; USPAT	OR	ON	2007/03/07 12:23
S11	3201581	S10 AND parting line\$1	US-PGPUB; USPAT	OR	ON	2007/03/07 12:24

## EAST Search History

S12	3	S10 AND parting ADJ line\$1 SAME luminous ADJ flux	US-PGPUB; USPAT	OR	ON	2007/03/07 12:37
S13	1	filter AND luminous ADJ flux AND diode AND position ADJ detect\$3 AND parting ADJ line\$1	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:40
S14	10	filter AND luminous ADJ flux AND diode AND parting ADJ line\$1	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:42
S15	0	spot ADJ shape and parting ADJ line\$1 AND position NEAR direction	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:43
S16	36	spot and parting ADJ line\$1 AND position NEAR direction	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:44
S17	10	S16 and filter	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:54
S18	1	star ADJ filter and luminous ADJ flux	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:55
S19	0	parting ADJ line\$1 ADJ filter and luminous ADJ flux	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:57
S20	5	filter AND luminous NEAR2 Flux AND diode SAME position AND parting ADJ line\$1	US-PGPUB; USPAT	ADJ	ON	2007/03/07 12:59
S21	24	parting NEAR line\$1 AND filter AND luminous	US-PGPUB; USPAT	ADJ	ON	2007/03/07 15:40
S22	5	"5694217"	US-PGPUB; USPAT	ADJ	ON	2007/03/07 15:50
S23	2	"20050018561"	US-PGPUB; USPAT	ADJ	ON	2007/03/07 16:02
S24	11309	Light AND emitt\$3 SAME element NEAR2 convert\$3 AND luminous FLUX And photo ADJ detector OR receptor AND signal ADj detect\$3	US-PGPUB; USPAT	ADJ	ON	2007/03/07 16:04
S25	2	S24 AND parting ADJ line\$1 AND detector	US-PGPUB; USPAT	ADJ	ON	2007/03/07 16:08
S26	9530	detector AND receiv\$ and convergence	US-PGPUB; USPAT	ADJ	ON	2007/03/07 16:09
S27	1	S26 and flux and parting ADJ line	US-PGPUB; USPAT	ADJ	ON	2007/03/07 16:31
S28	1	"20010052966"	US-PGPUB; USPAT	ADJ	ON	2007/03/07 17:07
S29	174	(filter with luminous with flux) SAME (detect\$4 with flux)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/07 18:03

## EAST Search History

S30	1	(filter with luminous with flux) SAME (detect\$4 with flux) SAME ( parting line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 07:59
S31	0	(filter with luminous with flux) SAME (detect\$4 with flux). SAME ( parting line\$1) AND (separat\$4 band)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/07 17:13
S32	1	S29 AND (parting WITH line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/07 18:04
S33	0	S29 AND (part3 WITH line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/07 18:04
S34	10	S29 AND (part\$3 WITH line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/07 18:04
S35	1	(filter with luminous with flux) SAME (detect\$4 with flux WITH parting with line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:02
S36	1	(filter with luminous with flux) SAME (detect\$4 WITH parting with line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:02

## EAST Search History

S37	12	(filter with luminous with flux) SAME (detect\$4 WITH line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:16
S38	9	(cross OR star WITH pattern with filter) SAME (detector\$4 WITH parting with line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:20
S39	0	(cross OR star WITH pattern with filter) SAME (detector\$4 WITH parting with line\$1) SAME (filter and luminous with flux)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:21
S40	0	(cross OR star WITH pattern with filter) SAME (detector\$4 WITH parting with line\$1) SAME (filter and flux)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:21
S41	1	(cross OR star WITH pattern with filter) SAME (detector\$4 WITH parting with line\$1) AND (filter and flux)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:22
S42	9	(cross OR star WITH pattern with filter) SAME (detector\$4 WITH parting with line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:25
S43	9	(cross OR star WITH pattern with filter WITH luminous WITH flux) SAME (detector\$4 WITH parting with line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:26

## EAST Search History

S44	4372934	(cross OR star WITH pattern with filter WITH luminous WITH flux)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:26
S45	10516	S44 AND (parting with line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:27
S46	3	S45 AND (luminous WITH filter)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:28
S47	1	S45 AND (luminous WITH filter) AND (detect\$4 WITH part\$3 WITH line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 11:44
S48	17	"4153336"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 08:52
S49	89	"5274434"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 09:06
S50	3	"6522397"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 09:07
S51	1	"4919536".PN.	USPAT; USOCR	OR	ON	2007/03/08 09:07

## EAST Search History

S52	1	"4206999".PN.	USPAT; USOCR	OR	ON	2007/03/08 09:07
S53	1	"3966324".PN.	USPAT; USOCR	OR	ON	2007/03/08 09:07
S54	2	"2565419".PN.	USPAT; USOCR	OR	ON	2007/03/08 09:07
S55	1	"4206999".PN.	USPAT; USOCR	OR	ON	2007/03/08 09:08
S56	1	"4988190".PN.	USPAT; USOCR	OR	ON	2007/03/08 09:10
S57	2	"6522397"	USPAT; USOCR	OR	ON	2007/03/08 09:19
S58	40	(filter with luminous with flux) SAME (detect\$4 with flux)	USPAT; USOCR	OR	ON	2007/03/08 09:39
S59	3	"0506657"	USPAT; USOCR	OR	ON	2007/03/08 09:40
S60	1	97-0498	USPAT; USOCR	OR	ON	2007/03/08 09:49
S61	22	"5133716"	USPAT; USOCR	OR	ON	2007/03/08 11:24
S62	1	"6235982"	USPAT; USOCR	OR	ON	2007/03/08 11:32
S63	1	"7170846"	USPAT; USOCR	OR	ON	2007/03/08 11:42
S64	9	"808022"	USPAT; USOCR	OR	ON	2007/03/08 11:43
S65	9	"808022"	USPAT; USOCR	OR	ON	2007/03/08 11:43
S66	1	S45 AND (luminous WITH filter) AND (detect\$4 WITH part\$3 WITH line\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/08 11:44
S67	1	(detector WITH luminous With Flux) AND (detector WITH position WITH part\$4 WITH line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:49
S68	1	(detector WITH luminous With Flux) AND (detector WITH position WITH part\$4 WITH line\$1) AND (cross OR star AND filter)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:51
S69	2449123	(cross OR star AND filter WITH detector)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:52
S70	1	S69 AND S67	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:52

## EAST Search History

S71	0	(filter with luminous with flux ) AND (detect4 with parting WITH line\$1) AND S69	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:54
S72	0	(filter with luminous with flux ) AND (detect4 with parting WITH line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:54
S73	0	(filter with luminous with flux ) AND (detect4 with parting )	US-PGPUB; USPAT	ADJ	ON	2007/03/11 17:54
S74	457	(filter with luminous with flux )	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:16
S75	274	S69 AND S74	US-PGPUB; USPAT	ADJ	ON	2007/03/11 19:40
S76	0	"2000022793"	US-PGPUB; USPAT	ADJ	ON	2007/03/11 19:40
S77	1	"20010022793"	US-PGPUB; USPAT	ADJ	ON	2007/03/11 19:47
S78	1	"20030185136"	US-PGPUB; USPAT	ADJ	ON	2007/03/11 19:58
S79	9	"5978069"	US-PGPUB; USPAT	ADJ	ON	2007/03/11 20:18
S80	1	(photodetector WITH parting WITH line\$1) AND (filter with luminous WITH flux WITH parting WITH line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 20:21
S81	32	(photodetector WITH parting WITH line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:03
S82	1	(photodetector WITH parting WITH line\$1) SAME ( optic\$3 WITH transmission)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:04
S83	1	(photodetector WITH parting WITH line\$1) SAME ( device\$1 WITH transmission)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2007/03/11 21:04
S84	0	S74 AND (radial WITH parting WITH line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:06
S85	1	S74 AND (detector SAME parting WITH line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:06
S86	1	S74 AND (cross with pattern with filter)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:17
S87	30	S74 AND (cross with filter)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:38
S88	0	S74 AND (cross with filter) SAME (conversing WITH photodetector)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:39
S89	0	(cross with filter) SAME (conversing WITH photodetector)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:39

## EAST Search History

S90	1	(cross with filter) SAME (convers\$3 WITH photodetector)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:47
S91	2	"5544144"	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:51
S92	2	"6522397"	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:53
S93	653	cross With pattern WITH filter	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:54
S94	1	S93 AND detector AND (luminous WITH flux)	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:55
S95	179	S93 AND detector	US-PGPUB; USPAT	ADJ	ON	2007/03/11 21:55
S96	1	"20060262324"	US-PGPUB; USPAT	OR	ON	2007/03/12 10:57
S97	1	"20060262324"	US-PGPUB; USPAT	OR	ON	2007/03/12 10:58
S98	1	"20060262324"	US-PGPUB; USPAT	OR	ON	2007/03/12 10:58
S99	3082	(cross or star WITH filter with luminous WITH lens\$3 group\$1) SAME (holograph\$3 Or parting with line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:43
S100	1178	S99 AND (parting with line\$1)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:47
S101	2	S100 AND (detector\$1 WITH parting with line\$1 WITH cross or star with filter)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:46
S102	1	"20050078575"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:46
S103	0	S99 AND (parting with line\$1with luminous with flux)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:47
S104	0	S100 AND (parting with line\$1with luminous with flux)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:48
S105	0	S100 AND ( line\$1with luminous with flux)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:48
S106	1076	( line\$1with luminous with flux with cross or star with filter)	US-PGPUB; USPAT	ADJ	ON	2007/03/16 07:48
S107	13	S106 AND S99	US-PGPUB; USPAT	ADJ	ON	2007/03/16 08:31
S108	29	"5206499"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 08:32
S109	29	"5206499"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 09:45
S110	12	"5023594"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 09:47



## EAST Search History

S11 1	26	"5121334"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 09:48
S11 2	17	"4896176"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 09:52
S11 3	0	"9183623"	US-PGPUB; USPAT	ADJ	ON	2007/03/16 09:52

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Job : 157  
Date: 3/16/2007  
Time: 4:02:15 PM

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6975	Luminous ADJ flux AND ( L1/L2 > "3" and "L1" > D)	US-PGPUB; USPAT	OR	ON	2007/03/05 14:33
S2	0	S1 AND electric\$3 AND optic\$4 AND pularity AND filter	US-PGPUB; USPAT	OR	ON	2007/03/05 14:02
S3	185	S1 AND electric\$3 AND optic\$4 ADJ filter	US-PGPUB; USPAT	OR	ON	2007/03/05 14:02
S4	2658	Luminous ADJ flux AND ( L1/L2 > "3" and "L1" > D) AND filter	US-PGPUB; USPAT	OR	ON	2007/03/05 14:34
S5	17	Luminous ADJ flux AND ( L1/L2 > "3" and "L1" > D) AND filter AND parting ADJ line	US-PGPUB; USPAT	OR	ON	2007/03/05 14:42
S6	0	transmission AND light AND emitt\$3 AND conver\$4 AND E/O AND filter AND lumin\$4 AND detector AND receiver\$1 AND radial NEAR cross AND parting ADJ line AND flux	US-PGPUB; USPAT	OR	ON	2007/03/05 14:46
S7	18	Luminous ADJ flux AND ( L1/L2 > "3" and "L1" > D) AND filter AND parting ADJ line	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/06 11:27
S8	66	parting ADJ line\$1 AND luminous ADJ flux AND cross or star ADJ filter	US-PGPUB; USPAT	OR	ON	2007/03/06 17:23
S9	0	cannon.as. and (yoshimi WITH Takamoto).in.	US-PGPUB; USPAT	OR	ON	2007/03/06 17:24
S10	0	cannon.asn. and (yoshimi WITH Takamoto).in.	US-PGPUB; USPAT	OR	ON	2007/03/06 17:24
S11	0	cannon and (yoshimi WITH Takamoto).in.	US-PGPUB; USPAT	OR	ON	2007/03/06 17:25
S12	0	cannon and (yoshimi WITH Takatomo).in.	US-PGPUB; USPAT	OR	ON	2007/03/06 17:25
S13	0	canon and (yoshimi WITH Takatomo).in.	US-PGPUB; USPAT	OR	ON	2007/03/06 17:25
S14	51786	canon	US-PGPUB; USPAT	OR	ON	2007/03/06 17:25
S15	0	canon and takatomo	US-PGPUB; USPAT	OR	ON	2007/03/06 17:25
S16	2546	canon and takashi	US-PGPUB; USPAT	OR	ON	2007/03/06 17:25
S17	0	canon and (omuro with takashi)	US-PGPUB; USPAT	OR	ON	2007/03/06 17:26

## EAST Search History

S18	2234	canon and (OPTICAL WITH TRANSMISSION)	US-PGPUB; USPAT	OR	ON	2007/03/06 17:26
S19	111	canon and (OPTICAL WITH TRANSMISSION) AND "398"/\$.cccls.	US-PGPUB; USPAT	OR	ON	2007/03/06 17:43
S20	1	S18 AND parting ADJ line	US-PGPUB; USPAT	OR	ON	2007/03/06 17:31
S21	905882	S19 AND star filter	US-PGPUB; USPAT	OR	ON	2007/03/06 17:33
S22	28	"5479288"	US-PGPUB; USPAT	OR	ON	2007/03/06 17:46
S23	23	"6285481"	US-PGPUB; USPAT	OR	ON	2007/03/06 18:21
S24	2921861	parting ADJ line\$1 AND star or cross filter	US-PGPUB; USPAT	OR	ON	2007/03/06 18:22
S25	7539	S24 AND luminous ADJ flux AND parting lines NEAR2 SPOT	US-PGPUB; USPAT	OR	ON	2007/03/06 18:57
S26	189	S25 AND position ADJ direct\$4	US-PGPUB; USPAT	OR	ON	2007/03/06 18:33
S27	81	S25 AND position ADJ direct\$4 AND filter	US-PGPUB; USPAT	OR	ON	2007/03/06 18:33
S28	522	S24 AND luminous ADJ flux AND parting lines NEAR2 SPOT AND star OR cross ADJ filter	US-PGPUB; USPAT	OR	ON	2007/03/06 19:49
S29	0	"10808022"	US-PGPUB; USPAT	OR	ON	2007/03/06 19:50
S30	8	"808022"	US-PGPUB; USPAT	OR	ON	2007/03/06 20:04
S31	16664	signal ADJ processing ADJ unit	US-PGPUB; USPAT	OR	ON	2007/03/06 20:05
S32	74	signal ADJ processing ADJ unit AND O/E	US-PGPUB; USPAT	OR	ON	2007/03/06 20:10
S33	1	"20020024808"	US-PGPUB; USPAT	OR	ON	2007/03/06 21:20
S34	170	362/305/.cccls.	US-PGPUB; USPAT	OR	ON	2007/03/06 21:23
S35	219	398/129.ccls.	US-PGPUB; USPAT	OR	ON	2007/03/06 21:21
S36	0	S34 AND S35	US-PGPUB; USPAT	OR	ON	2007/03/06 21:21
S37	0	S35 AND luminous ADJ flux AND parting ADJ line\$2	US-PGPUB; USPAT	OR	ON	2007/03/06 21:22
S38	0	S35 AND luminous ADJ flux AND parting ADJ line\$2	US-PGPUB; USPAT	OR	ON	2007/03/06 21:22

## EAST Search History

S39	2	S34 AND luminous NEAr flux AND parting ADj line\$1	US-PGPUB; USPAT	OR	ON	2007/03/06 21:23
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